

Eriogonum corymbosum Cinder Sparse Vegetation

MAP CLASS	Crispleaf Buckwheat Cinder Shrubland
COMMON NAME	Crispleaf Buckwheat Cinder Sparse Vegetation
PHYSIOGNOMIC CLASS	Sparse Vegetation (VII)
PHYSIOGNOMIC SUBCLASS	Unconsolidated material sparse vegetation (VII.C)
PHYSIOGNOMIC GROUP	Sparsely vegetated soil slopes (VII.C.3)
PHYSIOGNOMIC SUBGROUP	Natural/Semi-natural (VII.C.3.N)
FORMATION	Dry slopes
ALLIANCE	<i>Eriogonum corymbosum</i> Sparsely Vegetated Alliance

CLASSIFICATION CONFIDENCE LEVEL Weak

USFS WETLAND SYSTEM Upland

RANGE

Wupatki National Monument

Crispleaf Buckwheat Cinder Sparse Vegetation is an uncommon association within Wupatki NM that occurs in sparse cinder habitats. This association was only located in the southwestern corner of Wupatki NM and was not found in other areas within the project boundaries.

ENVIRONMENTAL DESCRIPTION

Wupatki National Monument

This association's elevation ranged from 4,856-5,020 ft (1,480-1,530 m) (average 4,970 ft/1,515 m). The topography ranged from minimal to steep slopes with 3-40% slope (average 24%). This association is specifically located within sparse community types on black cinder dominated substrate.

MOST ABUNDANT SPECIES

Wupatki National Monument

<u>Stratum</u>	<u>Species</u>
Shrub	<i>Eriogonum corymbosum</i>

ASSOCIATED SPECIES

Wupatki National Monument

Achnatherum hymenoides, *Aristida purpurea*, *Artemisia filifolia*, *Brickellia californica*, *Ephedra torreyana*, *Ephedra viridis*, *Ericameria nauseosa*, *Fallugia paradoxa*, *Hesperostipa comata*, *Muhlenbergia porteri*, *Oenothera pallida*, *Stanleya pinnata*

VEGETATION DESCRIPTION

Wupatki National Monument

Crispleaf Buckwheat Cinder Sparse Vegetation total vegetation cover was low with 11-25% (average 15%) with 6-25% (average 13%) in the shrub layer and 0-11% (average 3%) in the herbaceous layer. The total species diversity was low and ranged from 3-9 species (average 6) within the 8 relevés sampled.

The shrub layer consistently contains *Eriogonum corymbosum* with 2-15% absolute cover (average 8%). *Eriogonum corymbosum* must be present for assignment of this association type; however, other shrubs such as *Brickellia californica* and *Fallugia paradoxa* may be present in greater abundance. The herbaceous layer was sparse and not dominated by a single species.

CONSERVATION RANK G?

DATABASE CODE CEG005803

USGS-NPS Vegetation Mapping Program
Wupatki National Monument

MAP CLASSES

The association Crispleaf Buckwheat Cinder Sparse Vegetation is represented by map class Crispleaf Buckwheat Cinder Shrubland (map code 15).

The total area mapped within Wupatki NM is 203 ac (82 ha) within 14 polygons. The total for the project environs is 151 ac (61 ha) within 37 polygons.